



UNITED KINGDOM CONFORMITY ASSESSMENT

1 **UK TYPE EXAMINATION CERTIFICATE**

2 Equipment Intended for use in Potentially Explosive Atmospheres

UKSI 2016:1107 (as amended) – Schedule 3A, Part 1

3 Certificate Number: **CSAE 21UKEX2364** Issue: **0**

4 Product: **1360 IS II Anemometer, Part No. 1360-00-097**

5 Manufacturer: **Gill Instruments Limited**

6 Address: **Saltmarsh Park
67 Gosport Street
Lymington
Hampshire SO41 9EG
UK**

7 This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 CSA Group Testing UK Limited, Approved Body number 0518, in accordance with Regulation 42 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended), certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Schedule 1 of the Regulations. The examination and test results are recorded in the confidential reports listed in Section 14.2.

9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0:2018 EN 60079-11:2012

Except in respect of those requirements listed at Section 16 of the schedule to this certificate. The above standards may not appear on the UKAS Scope of Accreditation, but have been added through flexible scope of accreditation, which is available on request.

10 If the sign 'X' is placed after the certificate number, it indicates that the product is subject to Specific Conditions of Use identified in the schedule to this certificate.

11 This UK TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Regulations apply to the manufacturing process and supply of this product. These are not covered by this certificate.

12 The marking of this product shall be in accordance with Regulation 41 and include the following:



II 1 GD
Ex ia IIC T4 Ga
Ex ia IIIC T135°C Da
Ta = -30°C to +70°C

Name: J A May
Title: Director of Operations



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CSA Group Testing UK Ltd., Unit 6 Hawarden Industrial Park, Hawarden, CH5 3US, UK
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SCHEDULE

UK TYPE EXAMINATION CERTIFICATE

**CSAE 21UKEX2364
Issue 0**

13 DESCRIPTION OF PRODUCT

The 1360 IS II Anemometer, Part No. 1360 00 097, is an intrinsically safe unit with no moving parts that uses ultrasonic pulse time of flight in free air for the measurement of wind speed and direction at locations. The IS II Anemometer can be used in conjunction with a PC, data logger or other device, compatible with and isolated by the approved IS Power Supplies associated with this device.

The equipment comprises; four transducer arms attached to a stainless steel enclosure that houses printed circuit board, piezo electric transducers and connector, all of which are completely encapsulated within the enclosure.

External electrical connections are made to a twenty way connector located in the base of the apparatus.

The Anemometer is designed to connect to the intrinsically safe outputs of the I.S. WindObserver Power Supply Unit 1360 (certificate number Sira 00ATEX2217) or LV PCI Unit 1954-00-002 (certificate number Sira 13ATEX2384).

Input Parameters:

$U_i = 11.55\text{ V}$ $I_i = 162\text{ mA}$ $P_i = 417\text{ mW}$ $C_i = 0$ $L_i = 0$

The product description includes the following applicable amendments, only amendments directly applicable to UKCA certification have been included in this list.

The amendments are numbered to include a reference to the previous ATEX variation at which these were introduced.

- 1a Allow modification of the component part number for TR9
- 1b Allow modification of the part number for the transducer disc
- 2a 4 off PCB mounting holes increased in diameter

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Reports and Certificate History

Issue	Date	Report number	Comment
0	16 December 2021	R80087601A	The release of the prime certificate.

15 SPECIFIC CONDITIONS OF USE (denoted by X after the certificate number)

None

16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS (REGULATIONS SCHEDULE 1)

In addition to the Essential Health and Safety Requirements covered by the standards listed in Section 9, all other requirements are demonstrated in the relevant reports.

17 PRODUCTION CONTROL

17.1 Holders of this certificate are required to comply with production control requirements defined in Schedule 3A, as applicable, and CSA Group Testing UK Regulations for Certificate Holders



Certificate Annexe

Certificate Number: CSAE 21UKEX2364
Product: 1360 IS II Anemometer, Part No. 1360-00-097
Manufacturer: Gill Instruments Limited

Issue 0

Drawing	Sheets	Rev.	Date (Stamp)	Title
1360-C-070	1 of 1	03	22 Aug 19	Windobserver II – GPA - IS Circuit Diagram
1360-10-070	1 to 4	03	22 Aug 19	PCB Assembly Bill Of Materials
1360-10-080	1 of 1	02	09 May 16	I.S. 2 Axis Transducer Arm Assembly
1360-10-082	1 of 1	01	12 Mar 15	Type IIC I.S. Anemometer with Alternative PCB
1360-10-083	1 of 1	01	12 Mar 15	I.S. WOII Potting Areas Diagram
1360-30-070	1 to 8	02X	22 Aug 19	PCB Artwork
1360-30-040	1 of 1	11	15 Sep 21	Housing Tube Printed Marking Drawing



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